

# NEWSLINE

Published weekly for employees of Lawrence Livermore National Laboratory

Friday, November 17, 2000

Vol. 25, No. 46

## Adding fuel to global warming debate

By Arnie Heller

TID

A careful review of the evidence surrounding global climate change shows that extremists on every side of this complex — and emotional — scientific issue are probably wrong, a leading climate expert told a Lab audience last Thursday.

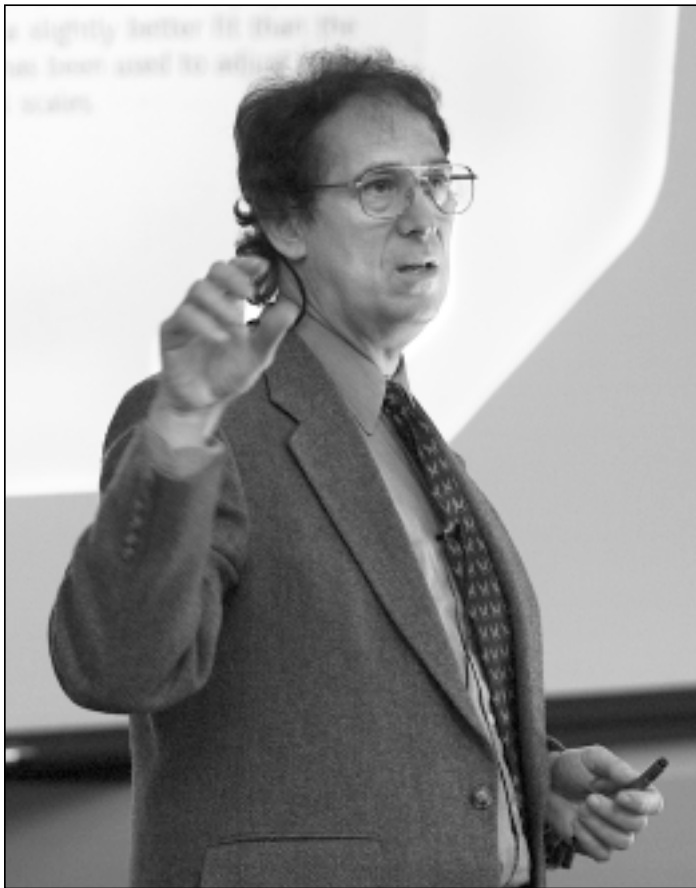
Stanford University Professor Stephen Schneider discussed “The Global Warming Debate: Separating the Scientific from the Political” as part of the Director’s Distinguished Lecturer Series. “There are many passionate interests involved in this issue,” he said, citing physics, ecology, economics and politics.

Schneider said it is difficult to avoid articles on global climate change that conclude that either the planet is heading toward ecological catastrophe or that a better, greener world is at hand thanks to plentiful supplies of carbon dioxide fertilizer.

“The end of the world and the good-for-you scenarios that are so common in the popular and political debates are in my opinion the two lowest probability cases,” he said.

Schneider has done pioneering modeling work in the fields of atmospheric science and global climatology, including the relationship of biological systems to climate change. He is editor of *Climatic Change*, an interdisciplinary journal he founded in 1975. His many awards and honors include a MacArthur Foundation Prize Fellowship and appointment to several presidential science advisory committees.

Schneider said that science cannot offer precise predictions about future climate or



MARCIA JOHNSON/TID

Stephen Schneider says science cannot offer precise predictions about future climate or its implications.

its implication for nature or our lives. Scientists who are asked to predict the environmental effects in 100 to 200 years can’t see the future directly. Nor can they predict the future from examining data from the past; the precise conditions that gave rise to ice ages and glacier cycles were completely different from the current environment.

However, evidence from the past 160,000 years shows that the climate never contained levels of carbon dioxide much above 300 parts per million. Scientists presently detect about 370 parts per million

See **WARMING**, page 8

## Longtime laser scientist Howard Powell dies after apparent heart attack

Howard Powell, an internationally known laser scientist and longtime leader and senior manager in the Laser and NIF directorates, died Wednesday of an apparent heart attack. He was 56.

Powell was in Washington, D.C., on Laboratory business. He was walking with a colleague following lunch when he collapsed. He was rushed to George Washington hospital, where he was pronounced dead.

George Miller, associate director for NIF Programs, said, “Howard was an outstanding scientist who cared deeply about the Laboratory’s laser science and technology programs. He was also a wonderful person who took great pride in the accomplishments of the young scientists he helped recruit and mentor. He will be greatly missed.”

Miller notified NIF staff members at a special all-hands meeting. A grief counselor was on hand to lend support.



Howard Powell

See **POWELL**, page 4

## UC Regents agree to begin negotiations on contract

The University of California Board of Regents unanimously agreed Wednesday to begin negotiations on a new contract for continued operations of Lawrence Livermore and Los Alamos labs.

The Regents made the decision during a meeting in Los Angeles.

Earlier this year the Department of Energy announced it would begin negotiations for a three-year extension of the contract, which expires in 2002.

## Dialogue series discusses ever-changing notions of freedom

By Don Johnston

NEWSLINE STAFF WRITER

The ideas and boundaries defining Americans’ notion of “freedom” are constantly changing and remain the subject of lively public debate, Professor Eric Foner of Columbia University told a Laboratory audience.

“The story of American freedom is forever unfinished,” Foner said in concluding his Nov. 10 talk, “Who Is an American: Diversity and Freedom in American History.”

In the first of a new series of facilitated discussions of diversity issues, some 60 employees undertook to write a new chapter in Laboratory diversity efforts during group dialogues on the ideas evoked by Foner immediately following his presentation.

“The discussion was very lively, insightful and people really attempted to explore what the speaker said and how it applied to their own lives,” said Tommy Smith, director of the Affirmative Action and Diversity Program. “People really enjoyed the process and were

just getting warmed up when we ran out of time.”

Group discussion centered around three questions: how has the definition of who is an American changed over the course of our history; how has the struggle of minority groups for freedom as they understand it affected the rights of other Americans, and is assimilation necessary in order to attain American freedom?

“There’s no idea more central to our idea of

See **DIALOGUE**, page 8



**POW refuses to be prisoner of the past**  
— Page 3



**The HOME front: Employees offer helping hands**  
— Page 5



**Learning Curve reaches out to undergrads**  
— Insert



LAB COMMUNITY NEWS

Weekly Calendar

Technical Meeting Calendar, page 4

Friday  
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All employees are invited to the **Open Enrollment Benefits Fair**, 2:30-4:45 p.m. today in the West Cafeteria, Bldg. 125. Representatives from plan sponsors as well as Benefit Office staff will be available to answer questions regarding benefit program changes. A limited supply of plan materials will also be available. For additional information regarding the 2000 Open Enrollment changes and other benefit issues, see the LLNL Benefits Office Website at <http://www.llnl.gov/jobs/benefits> or call 2-9955.

...

The Bible Study Groups are sponsoring a **Thanksgiving gathering** today from 12:05-12:55 p.m. in the Bldg. 543 auditorium. The gathering is open to anyone interested in attending.

Saturday  
18

There will be a **scheduled power outage** from 7 a.m. to 7 p.m. in the following locations: Bldgs. 171, 173, 174, 176, 190, 194 and 241; and Trailers 1402, 1403, 1404, 1405, 1406, 1407, 1408, 1413, 1456, 1726, 1739, 1925, 1927, 2425 and 2528. There will also be a scheduled power outage on Sunday, Nov. 19, from 7 a.m. to 7 p.m. in Bldgs. 196 and 297, and the NIF contractor trailers. Contact: Mark Cardoza, 3-0490.

...

The **Falla Guitar Trio** will perform on at 8 p.m. at the First Presbyterian Church, Fourth and L streets, Livermore. Tickets are \$10 for adults, \$7.50 for seniors/students. Contact: Del Valle Fine Arts, 447-2752 or visit <http://www.delvallefinearts.org>.

Monday  
20

The **South Cafe** will be closed Monday through Wednesday. The West and Central Cafes will be open for service, operating their normal business hours on Monday and Tuesday and offering a modified menu. On Wednesday, the West and Central Cafes will offer a breakfast brunch from 7 to 10 a.m. and a lunch buffet from 11:30 a.m. to 1:15 p.m. For online menus, see the Web at [https://www-ais.llnl.gov/llnl\\_only/docs/bsd/food/menu/menu.html](https://www-ais.llnl.gov/llnl_only/docs/bsd/food/menu/menu.html). Contact: Mishell Pendleton, 2-0105.

Thursday  
23

The **Lab will be closed** Thursday and Friday. Happy Thanksgiving!

UP  
&  
COMING

A representative from **Fidelity Investments** will be on-site to meet with employees Nov. 29. Fidelity Investments are available to UC's 403(b) participants in addition to the UC-managed investment funds. Appointments are required and may be scheduled by calling 1-800-642-7131. Be sure to specify you are employed at the Laboratory.

Lab's flu clinics suspended after today

Health Services has run out of flu vaccine. Walk-in immunizations are canceled beginning today and work-site clinics will be suspended after today's morning session at Trailer 3925. Production delays by manufacturers of the flu vaccine have resulted in a nationwide shortage. Health Services hopes to receive more vaccine, but it is not known when that order will arrive. In the meantime, the last work-site clinic will

be held today, 9:30-11 a.m. in Trailer 3925. Vaccinations will be on a first-come, first-served basis. Walk-in immunizations through Health Services, are also now suspended indefinitely. For this morning's work-site clinics, shots are \$5; please bring exact change. A consent form must be filled out prior to receiving a flu shot. For a copy of the form see the Web at <http://www.llnl.gov/healthserv/>

Silver anniversary



JOSEPH MARTINEZ/TID

Employees who have worked at UC and/or the Laboratory for 25 years were honored at the Lab's annual 25th anniversary breakfast. The event was held Friday, Nov. 3, in the West Cafe.

IN MEMORIAM

Jerome Cramer

Jerome "Jerry" P. Cramer, a former mechanical engineer, died May 23 in Davis. He was 89. Cramer was born in Paris and came to the United States at the age of 11. He was naturalized U.S. citizen. Cramer came to the Lab in 1955 and worked as a section leader in Mechanical Engineering. Cramer assisted in the development of Chemistry & Materials Science's Site 300 facilities (Bldg. 827) and then stayed on to work with the directorate in high explosives until his retirement in 1977. Following his retirement he served as a consultant to the Lab for nine years. Cramer moved to Davis 12 years ago to be closer to his son, a UC Davis professor. He enjoyed skiing and mountain climbing. Surviving family members include his wife, Janice; sons, James and Randall; two granddaughters and one grandson. Contributions in his memory can be made to the Union of Concerned Scientists, 2397 Shattuck Ave., Berkeley, 94704.

Richard Moore

Richard Larsen Moore, a retired engineer and chemist, died at his Livermore home Nov 6. He was 77. Moore was born in Wenatchee, Wash., and served in the Army during the Korean War. He joined the Lab in 1966 and worked for 22 years before retiring. He was a member of the Foresters of America and enjoyed fishing, camping and computers. Survivors include his wife of 41 years, Helen; son, Gary; six grandchildren and six great-grandchildren. Contributions in his memory may be made to Hope Hospice, 6500 Dublin Blvd., Suite 100, Dublin, 94568.

Livermore police seek help in Lee Hall murder case

More than one year after the murder of Lab employee Lee Mercer Scott Hall, Livermore Police are still searching for leads that may help them solve the case. Recently, Hall's family put up a \$25,000 reward for information leading to the arrest and conviction of the person(s) responsible for his murder. If you have information, call Livermore Police Department Detective Charles Garrison, 371-4754 during normal business hours or 371-4987 after business hours, or e-mail [cgarrison@ci.livermore.ca.us](mailto:cgarrison@ci.livermore.ca.us)

Newsline

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AROUND THE LAB

Former POW ‘Plumbs’ depths of his experience

By Elizabeth Campos Rajs  
NEWSLINE STAFF WRITER

At 24, Charlie Plumb was flying high. A top gun pilot during the Vietnam War, he had 74 successful missions behind him and only five days to go as he took the controls of his fighter jet on what turned out to be his last mission.

“I remember it was a beautiful day, with a bright blue sky and puffy clouds. I’m thinking I’m the best of the best. I’m probably bulletproof,” he recalled last Thursday before a packed crowd in the Bldg. 123 auditorium.

But on that day, he was struck by enemy fire and as his F-4 Phantom jet went down, he and his copilot ejected. “Our parachutes opened and we came down over enemy territory. There was 90 seconds between being the top gun of the sky and a prisoner of war, the lowest of low.”

Invited to speak at the Lab for Veterans Day, Plumb recounted his inspiring life story with an engaging mix of anecdotes, humor and motivational messages. At the end of his talk, Lab employees responded with loud applause and a standing ovation.

A prisoner of war for six years, he has since authored several books, videotapes and audiotapes, including his autobiography, “I’m No Hero,” which is now in its 28th printing. Plumb, whose medals and decorations include a Silver Star, two Purple Hearts, a Bronze Star, the Legion of Merit and the POW medal, among others, travels the country as a motivational speaker, drawing parallels between the challenges he faced as a prisoner of war and those that people face in everyday life.

“Imagine the parachute of your life during challenges as major as the loss of a child and as minor as getting cut off on the freeway. How you deal with it, that’s the measure of your worth. Your value is measured when the heat is on and things are tough. There’s great value in getting blown out of the sky every once in a while. The key is, how do you find value in it?” he asked the audience.

On his descent, as the enemy was shooting at him, he recalled sitting very still, his head bowed and saying a little prayer that he would have the guts it was going to take to survive what lay ahead.

“I thought about that prayer a lot for the next six years. I thought I should have made a better deal with God,” he said wryly.



Charlie Plumb

“They stripped me of everything, including my name,” Plumb said of his captors. “I was tortured for two days in Hanoi with ropes and irons.”

His cell measured eight feet long and eight feet wide, Plumb said, as he paced out the distance on the auditorium stage. It was enough to take three steps back and forth.

“The minutes wear into hours, the hours wear into days. It’s not the eight feet in the cell that restrict you, it’s the eight inches of your head, the mental restrictions, that limit you,” he said.

He was confined in that space for 2,103 days, between the ages of 24 and 30, with no books, no news and no contact with the outside world.

“I don’t mind telling you it didn’t take me long for the three steps to drive me crazy. I decided to make up a game. I made a deck of cards out of toilet paper. I

can tell you with authority that toilet paper is tough to shuffle,” he said.

Eventually, he and the other prisoners worked out a way to communicate by scratching a wire on their cement cells. It was a complicated code, but they had plenty of time to learn it, he added.

“It was far more than passing of information. It was validation of another human being,” Plumb noted.

“You will never be prisoners of war, but you’ll have challenges you have to face,” Plumb told Lab employees. “You’ll have moments when you can’t communicate with those you love, when your baseline values are challenged. To survive a POW camp and the challenges you face in your lives, you have to have purpose, faith, hope, integrity and patience. Those are the panels of your parachute.”

His “parachute” was formed early in life, he said, recalling his upbringing in a small town. He remembered a baseball coach’s words after a big loss. “He told me life is a choice everyday. You can choose happiness or you can choose sadness. You can step forward and become a victim or a victor,” Plumb said.

At the Naval Academy in Annapolis, where he finished “in the half of the class that makes the top half possible,” the commanding officer also had a big impact on him, with his message that the students there could do anything they set their minds to, Plumb said.

“I was empowered by both of those guys. They empowered me to win or fail. Most of all they

empowered me to make the choice,” he said.

In his small cell in Vietnam, those lessons gave him the strength he needed to get through his imprisonment.

“When you start blaming others for your problems, you give away control,” he said. “The first thing you need is faith. Faith in your creator, faith in your support team and faith in yourself.”

Most of the prisoners in his camp were officers because it was an air war. But one day, they brought in a Navy sailor who had fallen off his ship, Plumb said with a laugh. The pilots, who had a contest for who was captured going the highest and fastest, awarded him the title of lowest and slowest, which he good-naturedly accepted.

“This Navy sailor didn’t suffer from in-the-box thinking. I thought he wasn’t mature enough to understand the situation. How many times do we think that of people lower down the ladder than us or younger than us?” Plumb said.

Over the next two years, that sailor memorized the full names of his fellow prisoners, their social security numbers, next of kin and the phone numbers of their relatives. When the camp decided to release one prisoner early, the senior officer chose the sailor. “He called all of our relatives and said your pilot is alive,” he recalled.

At the end of the war, when the camp officer told the prisoners they were going home, the senior officer stood up and said the pilots would not leave until all the sick, injured and enlisted men were released first.

“Freedom is vital to us, but not without our integrity. What’s your integrity worth? What’s the Lab’s integrity worth?” he asked.

Once assured everyone else had been released first, the pilots marched out of the camps proud, their heads held high.

“It wasn’t until we were in the air that we all started hugging and kissing – the Air Force nurses,” Plumb said to laughter. “Ninety minutes later, we were on free soil.”

After six years as POWs, military officials and medical experts expected Plumb and his fellow prisoners to come home broken men. Their families were told they would probably need to be institutionalized for the rest of their lives.

But their group now includes 27 generals, two U.S. senators, including Sen. John McCain of Arizona, and a whole line of successful professionals, Plumb said.

“They are telling us today that we’re healthier than we were before we were shot down,” he said. “A wake-up call can actually force you to examine your life and make choices.”

Plumb’s Lab talk, sponsored by the Lab’s Veterans Association and the Affirmative Action and Diversity Program, is available on video. Contact AADP to check it out.

ISM X-FILES / by John Maduell

Sponsored by the LLNL ISM Rollout Implementation Team

Exterior Security Light Causes Structural Fire

This scenario was taken from Lab ISM case files  
A 500-watt halogen security floodlight touched off a fire on the roof of a modular office at another DOE facility.

Inspect the outside of buildings.

What Happened

A preliminary investigation indicated that the light fixture worked loose, possibly due to wind and weather, and rested on the roof, eventually igniting the wood underlying the roof.

Prevent fires before they start.

Outcome

Fortunately the fire was put out, although a review of other security lights in the area indicated that several others were in the same condition but had not yet caused fires. All problem lights were corrected.

Analyze any possible hazards.

Problem and Possible ISM Solution

- Facility Managers should check their structures to make sure security lights do not pose a similar problem in their areas.
- Any questions regarding the safety of security lights should be referred to the assigned ES&H Team.
- Don't forget to include a review of the outside of the building when doing facility inspections.

SLY the Safety Fax



NEWS

POWELL

Continued from page 1

Powell came to the Lab in 1973 to work in Laser Programs. Since that time he has held assignments in the Inertial Confinement Fusion and Laser Science & Technology Programs.

In 1990, he was named associate program leader for Laser Science within the ICF program. In 1994 he was named program leader of Laser Science & Technology. As program leader, he worked with Nova, he oversaw various laser developments for NIF and helped the Lab sharpen its expertise in high-average power diode-pumped solid-state lasers for both DOE and DoD applications. Powell also helped spin off applications in materials processing and in unique optics fabrication. Recently, Powell joined the NIF AD's office to plan strategic directions in laser science and technology.

Powell was a co-recipient of three R&D 100 awards for laser research: in 1988 for composite polymer glass-edge cladding, in 1994 for multilayer dielectric gratings and in 1997 for research in femtosecond laser materials processing.

Funeral arrangements are pending. Details will be published as they become available.

# Looking for furniture or equipment to make your office more functional?

Visit the Second Time Around Store.

It's free!



## Second Time Around Store

The "excess" store is located off Avenue J and South Outer Loop.

Technical Meeting Calendar

- Friday  
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**UNIX SYSTEM ADMINISTRATORS MEETING**  
Special meeting to discuss the draft baseline configuration standards for Unix systems. 2 p.m., Bldg. 543 auditorium (uncleared area). Contact: src@llnl.gov.
- Monday  
20

**UC DAVIS, DEPARTMENT OF APPLIED SCIENCE**  
"Solving a Long-Standing Fundamental Problem of the Quantum Mechanics of Atoms: Ionization by Electron Impact," by William McCurdy, LBNL. 4 p.m., Bldg. 661 (Hertz Hall), room 13 (open area). Refreshments served at 3:30 p.m. for a "meet the speaker" session before the seminar and at 5 p.m. after the seminar. Contact: Estelle Miller, 2-9787.
- Monday  
27

**INSTITUTE FOR GEOPHYSICS & PLANETARY PHYSICS**  
A talk by Raja Guhathakurta, UC Santa Cruz. Noon, Bldg. 319, room 205 (open area). Contact: Joanna Allen, allen64@llnl.gov or <http://www.llnl.gov/urp/IGPP/SemCalendar/IGPPSemCal.html>
- Monday  
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**PHYSICS & ADVANCED TECHNOLOGIES**  
"The Behavior of Nanostructured Materials at Ultra-High Rates of Deformation," by Dexin Jia, Johns Hopkins University. 10:30 a.m., Bldg. 319, room 205. Contact: Peter Fiske, 2-7489, fiske1@llnl.gov, or Miriam Rinnert, 2-7369, rinnert1@llnl.gov
- Monday  
20

**INSTITUTE FOR GEOPHYSICS & PLANETARY PHYSICS**  
"Mass Assembly History of Galaxies," by Richard S. Ellis, Caltech. Noon, Bldg. 319, room 205 (open area). Contact: Joanna Allen, allen64@llnl.gov, or see <http://www.llnl.gov/urp/IGPP/SemCalendar/IGPPSemCal.html>
- Monday  
27

**INSTITUTE FOR GEOPHYSICS & PLANETARY PHYSICS**  
"Search of HI in Dwarf Spheroidal Galaxies," by Claude Carignan, Universite de Montreal. Noon, Bldg. 319, 205 (open area). Contact: Joanna Allen, allen64@llnl.gov <http://www.llnl.gov/urp/IGPP/SemCalendar/IGPPSemCal.html>
- Monday  
20

**MATERIALS SCIENCE & TECHNOLOGY**  
"Application of Nonequilibrium Free-Energy Estimation: Effectively Exploring Phase-Coexistence Boundaries from Atomistic Simulations," by Maurice de Koning. 3:30 p.m., Bldg. 235, room 1090 (uncleared area). Coffee and cookies will be served at 3:20 p.m. Contact: Thomas E. Felter, 2-8012.
- Monday  
20

**HAAS SCHOOL OF BUSINESS AT UC BERKELEY**  
The launch of a third annual business plan competition. Do you have an idea for a business? Are you interested in working with
- entrepreneurs who are building tomorrow's great companies? Lab employee Peter Fiske will describe the resources and opportunities that are available to Lab employees through the Haas School of Business at UC Berkeley, noon-1 p.m., Bldg. 319, room 208 (open area). Contact: Peter Fiske, 2-7489.

Monday  
27

**ENERGY & ENVIRONMENT FORUM**  
"Geophysics and Global Security Division (GGS) and Fission Energy and Systems Safety Program (FESSP)." 1:30 p.m., Bldg. 123 auditorium (open area). This is the second in a series of informal presentations on the scope and vision of the new Energy and Environment Directorate's programmatic and disciplinary activities. Contact: Mark Strauch, 2-1469.

Monday  
27

**MATERIALS RESEARCH INSTITUTE**  
"From the Origin of Life to the Defeat of Ballistic Missiles: Shock Physics and Chemistry Research at the 6.5m Two-Stage Light Gas Gun at LLNL," by Peter Fiske, LLNL. 3:30 p.m., Bldg. 219, room 163 (open area; refreshments at 3:15 p.m.) Contacts: John Molitoris, 3-3496, or Joanne Maxwell, 4-4344.

Monday  
27

**INSTITUTE FOR SCIENTIFIC COMPUTING RESEARCH**  
"A Particle Method and Adaptive Treecode for Vortex Sheet Motion in 3-D Flow," by Robert Krasny, University of Michigan. 10 a.m., Bldg. 451, room 1025 (uncleared area). Contacts: Xabier Garaizar,

3-1521, or Leslie Bills, 3-8927.

Friday  
1

**INSTITUTE FOR GEOPHYSICS & PLANETARY PHYSICS**  
"Mass Assembly History of Galaxies," by Richard S. Ellis, Caltech. Noon, Bldg. 319, room 205 (open area). Contact: Joanna Allen, allen64@llnl.gov, or see <http://www.llnl.gov/urp/IGPP/SemCalendar/IGPPSemCal.html>

Monday  
4


**PHYSICS & ADVANCED TECHNOLOGIES**  
"The Behavior of Nanostructured Materials at Ultra-High Rates of Deformation," by Dexin Jia, Johns Hopkins University. 10:30 a.m., Bldg. 319, room 205. Contact: Peter Fiske, 2-7489, fiske1@llnl.gov, or Miriam Rinnert, 2-7369, rinnert1@llnl.gov

Friday  
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**H DIVISION**  
"Molecular Electronics: What Is It?" by Massimiliano Di Ventra, Virginia Polytechnic Institute and State University. 10 a.m., Bldg. 319, room 205 (open area). Contact: Andrew Williamson, 2-8285, or Darlene Klein, 4-4844.

Due to the Lab holiday, *Newsline* will not be published on Friday, Nov. 24. The deadline for the next calendar in *Newsline* is noon, Nov. 29. Send email to: [tmc-submit@llnl.gov](mailto:tmc-submit@llnl.gov)

*Happy Thanksgiving*







THE HOME FRONT

HOME cookin'



PHOTOS BY PAUL PEASLEE, NEW TECHNOLOGIES ENGINEERING

Laboratory employees volunteered their time at the Pleasanton Senior Center for the annual Week of Caring. This year the event, the unofficial kickoff for the Lab's HOME Campaign, was spread out over two weeks in September and October. Employees prepared and served meals at two dances. From left, Linda Rakow, Sharon Mickels, Angie Fountain and Joni Schuld served up spumoni, while Mike Hill of Johnson Controls waited tables.

Drawing for HOME

Take HOME a tee-shirt



Extra tee-shirts from this year's HOME campaign are available for \$5; last year's tee-shirts, for \$2.

Sizes:

Pick up shirts between 10 a.m. & 4:30 p.m., Bldg. 415, LLESA Office.

Make checks payable to your HOME charity of choice.



JULIE KORHUMMEL/NEWSLINE

Lab employees took part in the second incentive drawing for the HOME Campaign. Employees who return campaign packets by Fridays at 2 p.m. are eligible for the drawing. Shown, from left: Cidelia B. Sanchez, drawing for Isaac L. Bass; Robert Paul; Jodi Greenfield; Arnold Heller; Michele Bianchini-Gunn; Jim Dotts, drawing for Paul Grace; and Maria Nelson. Other winners included Kevin King, Calvin Thompson, Dannelle Tanner. For more information, see <http://www-r.llnl.gov/home2000/>

HOME statistics as of Nov. 16  
TOTAL AMOUNT DONATED: \$683,172

DIRECTORATE	TOTAL EMPLOYEES	TOTAL CONTRIBUTIONS	AMOUNT DONATED (ROUNDED OFF)	PERCENTAGE
Defense & Nuclear Technologies	374	86	27,965	23
Laboratory Executive Office	76	19	4,205	25
Computation	891	186	76,080	21
Engineering	2,004	441	150,227	22
Chemistry & Materials Science	450	154	60,344	34
Deputy Director for Operations	2,647	782	194,307	33
National Security	14	6	1,245	43
NIF	189	42	14,207	22
NAI	255	87	23,044	34
Director's Office	72	26	12,665	36
Deputy Director, Science & Technology	64	18	4,976	28
Physics & Advanced Technologies	374	106	39,959	28
Biology & Biotechnology Research	238	97	23,408	41
Energy & Environment	329	95	35,518	29
Johnson Controls	SLO	86	14,937	0
Others	3	3	85	100
Totals	7,980	2,234	\$683,172	28%



Check out the Employee Ads Web Services site at:  
<https://www-ais.llnl.gov/newsline/ads/>

**AUTOMOBILES**

1991 Honda Accord.EX wagon, am/fm cass, new timing belt, batt, 1991 - oldsmobile cutless, good condition, 6 cylinders, ps, pb, ac, cc, new tires, 95k miles, sacrifice \$2,500 925-782-8898

1987 - Chevy S-10 Blazer. 4WD, 2Dr, 4Cyl, manual trans., 115k miles, runs well. \$1500 925-449-8162

1989 - Buick Lasabre Lim, looks and drives like new, all pwr, lthr/pwr seats, internal/external temperature, shop mauals, 189k, \$2500. 925-443-2053

1995 - Pontiac Grand Prix 4 Dr. ES, 58K miles, dk. green, ex. cond., \$7800. 925-454-1669

1994 - Chrysler Town & Country Mini Van - 3.8 liter V-6, Auto, AC, AM/FM cassette, leather, roof-rack, excellent condition, 85.6K miles, \$9500 OBO. 925-447-0383

1988 - Toyota Cressida, 4 door. Comfortable, quiet & a smooth ride. Good gas mileage pw, ps, pdl, tilt, cruise, new Michelins. Freeway miles. \$4,500 OBO 209-667-4310

1989 - GMC SLE 3/4 ton, ext. cab, lumber rack, tool box, elct brakes, camper tiedowns, low miles, white & blue two tone excellent condition. \$9K or BO 209-667-4310

1999 - Ford Windstar SE-loaded- Reduced for quick sale! Hi-BB \$23,180, Lo-BB \$18,900-asking \$20,000. Immaculate! 26,000 miles. Great on gas! 925-625-1342

1993 - Pontiac Grand Prix. Excellent condition. A/C, cruise, AM/FM/cassette. \$4500. 925-485-1988

1960 - Studebaker Lark - 3 speed, good condition, new brakes. Daughter off to college, needs the \$ more than the car. \$1,500. 925-449-0865

1985 - BMW 325e 2 dr. 5 spd. orig. owner 61K mi. always garaged excellent condition \$5425. 925-443-6165

1986 - Jeep Cherokee Laredo, 4wd, 4dr, 6 cylinder, AT, PS, PB, AC, PDL, PW, tilt steering, cruise control, towing package, \$3800 925-447-7287

1991 - Toyota 4 Runner Extra Clean Fully Loaded, Tow, CD, Alarm, New Brakes, Tires, Timing belt & Water Pump 123K Miles 925-449-2004

1992 - Corvette.Low milage.30k miles.loaded. removeable hard top.bose sound system.all leather.\$18500 OBO 925-443-2808

1995 - Ford Mustang Coupe, V6, auto, all power, cassette/Cd, new tires, rebuilt engine, \$7500. obo. 925-829-3517

1998 - Subaru Outback Wagon, green, perfect condition, ski-rack, 70000 miles. \$16000 OBO. 925-245-0920

1980 - Fiat Spider Conv. top, wheels, paint like new, engine rebuilt. \$3,000 OBO 925-449-1464

1995 – VAN Mercury Villager, green, automatic drive, tinted windows, 87K miles, excellent condition. Asking \$9200 OBO. Call evenings. 925-743-0838

**AUTOMOBILE ACCESSORIES**

14 inch TIRES: 195/75/R14 good used TIRES fit many cars/pickups 2 for \$20, all 4 for \$30 925-447-7070

Free 1978 Ford/Merc sta wgn shop manual (4 vols). 925-455-0383

**BICYCLES**

All chrome low riders bike,

**BOATS**

\$250/BO. 925-447-4711

1986 18ft Tahiti Jet Boat 454 Chevy Excellent condition new interior and chrome headers. Fast and Fun! \$7500.00 or B.O. 209-832-3772

**ELECTRONIC EQUIPMENT**

Alinco Dr-1200T Packet radio \$130 ICOM IC-745 (Blown finals?) \$50 Global Village Teleport 56K Fax/Modem \$25 925-513-3538

MFJ HF/VHF SWR Analyzer Model MFJ-259 \$125 Timewave DSP-59 Noise Reduction Filter \$50 PK88 Packet controller \$25 925-513-3538

Bird 43 Watt meter \$140, w3 elements \$250 25W 100-250 MHz; 25W 200-500 MHz; 250W 2-30MHz \$40 ea 925-513-3538

2 New Pentium III Computers w/ over \$400 new software (Win 98, Win NT, Office 2000) \$625 & \$700 925-838-9614

**GIVEAWAY**

Columbian Red Tailed Boa, 7 yrs very gentle with 3X3 foot pine/glass cage. Free to a good home. 925-443-4643

Never used 3.0-5.0 Milguard garden window with plant shelf. 925-447-9606

Living room suite: sofa, love seat, arm chair and ottoman, upholstery on sofa and love seat in reasonably good condition. 925-443-0426

101 Dalmations linens and decor items; Yamaha keyboard. 925-449-0463

**HOUSEHOLD**

Fisher fireplace insert 24w x 21h x 32d, with shroud 46w x 35h. Black with brass trim and glass doors. You haul from Tracy. \$150 209-836-4349

MOVING SALE! Kids stuff, small appliances, furniture, garden, linens, glassware, free weights and more! Call for list 925-754-0987

Love seat. Burgundy color. Sturdy. Excellent condition. Getting new furniture. \$85 925-243-0740

BOYS Clothes & More BOYS Clothes! Wonderful Condition! 12-24 mos. \$35.00; Play Along Barney, used for 5 minutes, wrong one! NEW \$20.00, Sell \$13.00. 925-447-1603

Square end tables with glass top inserts \$50, Large TV stand with doors and shelves \$40. 209-836-9082

Futon - Double size. Light pine wood frame with blue cover. Have photo. \$50 209-576-7560

Electric Twin Bed.V/G condition. \$150.00 925-373-9540

Sliding glass door. 6 ft., Viking, white vinyl, dual pane. \$75. 925-373-6870

SOLID OAK VCR and stereo cabinet, glass doors on top, solid doors on bottom \$75, Oak like CD tower \$15. 925-373-7658

COUCH and love seat, cream w/blue and mauve pattern. \$200/pair. 925-373-7658

Wagner Poweroll Plus Painting System, 10 pieces, automatic paint feed with fingertip flow control. Best offer accepted. 925-426-0069

Day bed w/ trundle, full size, feminine pink, like new (1 mattress)\$300. Secretary desk and chair \$50 925-606-8010

Moving sale, beige 3-piece

couch,beige lacquer & glass 3 piece entertainment center,solid teak box desk,etc. 925-371-1465

Nintendo64 Game Console, 3controllers, additional memory cards, Tremor pack, 7games including PD. Perfect, ideal for Christmas. \$350 or BO 925-736-7799

Two brown sofas that individually recline. \$500 for both. 925-456-8313

Crib w/ mattress, Jenny Lind style, \$70. Changing table with pad \$50. 925-294-8302

Pine dresser. 9 drawer with mirror. Dark wood.Very heavy \$100.00 209-823-3512

Dresser, dark pine with mirror, \$20 925-449-0463

DESK, metal, solid, 50 x 19, great for bedroom. Repaintable Blue. Drawers on right can double as dresser \$45 Livermore 925-447-7070

**LOST & FOUND**

LOST JACKET. Please call if you have any information about a green/yellow jacket that I accidentally left in the Dragon Conference Room (Bld. 111). 925-743-3722

Lost: A blue and black insulated lunch bag. Left in the basket of a lab bike outside of Medical on 10/31. If found, please call 21648. Thank you! 925-417-7551

Sharp Electronic Organizer lost along East Ave bike path Friday Oct 20th - Reward 925-443-5565

**MISCELLANEOUS**

CARDBOARD BOXES, STURDY moving/storage: Big and Bigger: 40 for \$50, Huge: only \$2 ea. Knocked down, ready to go! 925-447-7070

Jenny Lind Crib, New \$119, Sell \$45.00, Great Condition! LOTS of Boys Clothes. GREAT Condition (some new).12-18 mos. \$35.00 925-373-0751

Gift certificates available. Give your loved ones the gift of therapeutic massage. Tri-valley area. 510-791-8623

Framed local landscape painting by local artist Norma Webb 24x36 \$250 925-447-8613

Garage Sale: 2873 Chateau Way Friday & Saturday November 24 & 25th Christmas stuff, furniture, clothing 924-447-4763

REFRIGERATOR/FREEZER; MOVING; top and bottom, 18+ cubic, Estate, great condition; \$375 or best offer; 925-753-5131

Moving Sale: triple dresser, 2 Lazyboy-type recliners, convertible leather sofa, 52-in round multi-use table + 4 chairs, 25-in RCA TV and more. 925-455-0383

OAKLAND RAIDERS tickets one (1) each for Atlanta 11/26, NYJets 12/10 and Carolina 12/24 northeast side. 510-655-3839

Toro lawn mower, rear bagger. In good condition. \$75. Call 925-447-5125 925-447-5125

AGAPANTHUS (Lily of The Nile) \$2ea. plants are good size, healthy, needs planting, 1 gal and 2 liter containers. 925-447-6192

Air compressor, Speedaire pump,1 hp motor,20 gal. tank, filter-reg. \$75 925-447-6301

Vending machines , 10 selection for candy, gum, chips and pastry. manual machine never need repair. Have instruction manuals and video. \$150.00 925-455-9342

2 Swim Coats: Green w/Yellow Lining. One says Tracy High School, the other is from Livermore

High. \$45 each -- firm. 209-835-5031

\$75 and \$100 United Airlines certificates, for travel up to Dec. 15. If you can use it, we both come out ahead - call me. 925-377-6537

Telescope: 10inch Meade Newtonian in Dob mount, 2 lenses. Rarely used. New:600, sell for 350obo. 925-373-3146

Baby swing - Graco, battery powered, with all safety retrofits, \$35. Baby and toddler toys and (girl) clothes. Prices vary. 925-294-8302

Old books. Late 1800s thru 1950s. Some first editions. 209-823-3512

Lathe; Southbend, 10 inch swing x 36 inch bed. Flame hardened ways. Cabinet included. Good condition. \$2,800 925-606-8763

Above Ground Pool-16ft round 2years old with sand filter.\$1400 new, asking \$500 or B.O.,installation available.After 5pm 925-443-4848

**MOTORCYCLES**

1984 - Harley Davidson; last year shovelhead, first year 5-speed. Limited edition, low mileage, very good condition. \$11,200. 209-956-9036

1998 - Yamaha Warrior Quad, only 10hrs like new. \$3000 209-836-3969

**MUSIC INSTRUMENTS**

Forexte X-26 multi-track recorder \$100, Fender headphone amp \$75, Boss drum machine \$50. 209-836-9082

Grand Piano, Kimbal. Approximately 25 years old. Dark walnut case. Excellent sound and voicing. \$4,500 925-443-7777

**PETS & SUPPLIES**

Vari-Kennel medium size 21in.w X 27in.L X 20in.h Blue with pad. Like new \$25 925-447-6301

2 yr old Male Tuxedo Cat. Abandoned at homeless sheleter. Recently spayed and has current shots. Very affectionate. Have too many pets. 209-835-5031

35 Gallon Fish tank complete system, stand filters, air, Large Oscar and Convict fish, chemicals, ph testers, fish food \$175 - 925-243-1033

**RECREATION EQUIPMENT**

Camper, 8 foot Lance, w/refrigerator,AC,heater,stove,oven \$2200 925-447-5194

Cross-country Vibram ski boots, size 12, used once. \$30. 925-455-0383

Ski rack, Barrecrafters, fits vehicles with rain gutter (like Jeep Cherokee), locks, \$40 firm, 209-832-3331

Reloading supplies.22-cal Super Lovell softpoints, 9-mm S&W RCBS dies, Wilson tools and gages, power measures, bench tool, etc. 925-443-7777

**RIDESHARING**

Express your commute, call 2-RIDE for more information or visit the web site at <http://www-r.llnl.gov/tsmp/> for more information

Oakland - Vanpool/carpool requested to leave Oakland/Montclair (near 13/ 580) to arrive at LLNL at 7:45 to 8:00 and depart 4:30 to 4:45. 510-531-4399, ext. 4-6215

Oakdale/Knightsferry - Wishing to join or start a carpool from

Knightsferry or Oakdale to LLNL. Start time flexible. Prefer 2 or 3 person carpool. 209-847-1231, ext. 2-8042

San Jose & Fremont Mission - Space is available from San Jose and Fremont-Mission areas. Work hours: 7:30-4:30. Call 408-238-1909, ext. 3-3057

Oakland - Monclair Vanpool is looking for riders. Luxury Vanpool with reclining seats and riding lites 8:15am - 5:05pm. Pretax reduction available. 510-834-6405, ext. 4-5173

Modesto - Vanpool, Modesto to LLNL 7:00 to 3:30 shift. After 5:00 pm. 209-529-1010, ext. 3-0487

modesto - WORKING A 4-10 WORK WEEK and want to have a vanpool? If interested contact 209-667-2365, ext. 2-8321

San Franciso - Want to share the driving from SF to LLNL at least a few times a week? I have a car, flexible hours, & live in North Beach. 415-474-2761, ext. 4-3821

Walnut Creek - Pleasant Hill, Walnut Creek-Lavorna Vanpool, 14 passenger, reclining seats, reading lights, 8 to 4:45, Bargain Rate, 925-945-4926, ext. 2-2805

Fremont - Driver wanted for 9psgr van.8am-445pm.Have other drivers to share driving. Friendly group. Drivers get \$\$ off monthly. Call 510-792-7848, ext. 4-3791

Berkeley - Berkeley- leave~7.30 Route: Cragmont,Eunice, Oxford, Dwight, Tunnel Road, Highway 13,580(Stop @Redwood Av.).Leave LLNL ~5.10.\$90 510-548-0704, ext. 2-6884

Lafayette - LaMOrinda (also Walnut Creek stop at Rudgear Rd) luxury Vanpool (reclining seats, reading lights) 8-4:45, \$115/mo (pretax reduction available) 925-376-5346, ext. 2-3005

Valley Springs - LINDEN, STOCKTON: Rider wanted for carpool (7:00 a.m.-3:30 p.m.) leaving from Valley Springs at 5:10 a.m. 3-6997. 209-772-3141, ext. 2-4748

**SERVICES**

Do you SUFFER from chronic muscle pain? Shiatsu and PBS massage may help you. Tri-Valley area. 510-791-8623

PARENTS troubled by TEEN behavior? What to do now, before too late? Free info on ToughLove, & Residential Treatment Facilities. (LLNL Meeting) 925-447-7070

Hauling Service. Estate cleanouts, Attics, Garage, Shed & Barns. Misc.. P/U & Del. Avail. 925-373-9540

Homemade Cheesecake. Perfect for the holidays. \$25 for 9 1/2 inch cakes. Delivery available. 209-854-9232

Child care in your home. 925-606-6916

House-Painting - Exterior and Interior, free estimates and Lab discount. 925-447-5132

Roofing, 28 yrs experience, fully insured 925-454-9200

**SHARED HOUSING**

ivermore - Room avail. in 3bd townhouse 3.5 mi from LLNL. \$475/mo. + 1/3 util.No pets/smoking. Female preferred.Please leave message. 925-454-2976

**TRUCKS & TRAILERS**

1997 - Ford F-150 Supercab XLT Shortbed, V-8, A/T, Full Power, Tow

# New program will offer cash for employee referrals

A new program designed by Human Resources would give cash awards to employees who refer applicants for Lab jobs who are successfully hired. The Employee Referral Program is available for employee comment through Nov. 27.

Human Resources hopes to have the program in place in December, pending DOE approval.

The Laboratory is implementing this program as an integral part of its overall recruiting strategy. The program is an efficient, cost-effective way for the Laboratory to find potential employees in today’s competitive job market. Current full- and part-time Laboratory employees will be eligible to participate in the program and may be awarded \$500, \$1,500, or \$3,000 if the person referred is hired for a designated position.

The referral plan is expected to help the Lab fill open positions more quickly, decrease the cost per hire, encourage employees to be part of the Lab’s recruiting process and align the Lab with competitive practices in the greater Bay Area. Detailed plan provisions are listed on the Employee Referral Program Website, <http://www-hr.llnl.gov/>

Here are some answers to frequently asked questions regarding the Employee Referral Program.

**If I send my daughter to apply for a Lab job and she is hired, do I get the award?**

No. Employees are not eligible for referrals of near relatives. A near relative for the purposes of this program is defined as a husband, wife, mother, father, daughter, son, sister, brother, grandparent, grandchildren, and step relatives and in-laws in the same relationships.

**Is my domestic partner a near relative for the purposes of this program?**

Yes.  
**If I refer my colleague from LBNL and she gets the job, do I get the award?**

No. The ERBP award is not available for referral of individuals who are LBNL or LANL employees.

**Are there referrals that are not eligible for a referral bonus?**

Yes. The ERBP award is not available for referral



of individuals in the following situations:

- Current Laboratory employees and guests.
- Near relatives.
- Former Laboratory employees who have been gone less than 1 year.
- Current contract labor.
- Former Laboratory employees who are eligible for recall or preferential rehire.
- Candidates who have previously been referred by an employment agency or search firm, if the agency or search firm remains entitled to a fee.
- Candidates in the Laboratory’s Resumix database who have already been interviewed for an ERBP-eligible position on the effective date of the ERBP.

Laboratory retirees.  
LANL and LBNL employees.  
The ERBP award is also not available for referrals for the following kinds of positions:

- Student positions.
- Post Docs.
- Graduate Student Research Associations (GSRAs).
- Temporary positions.
- Indeterminate-time positions.
- Laboratory associates.
- Contract labor positions.

**Are all Laboratory employees eligible for ERBP awards?**

No. Members of the UC Senior Management Group and employees whose primary job duties include recruiting and employment are not eligible. (Note: Technical Recruiters are eligible for awards for

referrals.) Also, managers and supervisors are not eligible to receive awards for referrals within their own chain of command.

**How much is the ERBP award?**

If an ERBP award is offered for an eligible position, the amount of the award is recommended by the hiring manager and approved by the cognizant associate director. At the time the position is posted, the amount of the award will be listed on the ERBP Website. Generally, referrals that lead to hire may be awarded \$500, \$1,000, or \$3,000, with no limit on the number of successful referrals that can be made by a single employee during any fiscal year. Awards for referrals for eligible part-time positions may be prorated.

**Who pays for the awards?**

The hiring department will provide funding for the ERBP awards.

**How will the award be paid?**

Once the successful candidate reports to work at the Laboratory, the award will be paid on the next regularly scheduled payday after Payroll receives the approved request for payment.

**If two different Laboratory employees have referred the candidate, which one gets the award?**

If, during the interview process, the candidate names more than one Laboratory employee as referring employees and each referring employee is eligible to receive an award, the award will be split and paid in equal shares.

**Are the awards taxable?**

Yes. The ERBP award will be paid as a taxable lump sum and deductions will be made for federal and state income taxes and other deductions where required.

**Are the awards considered in calculating an employee’s maximum voluntary contribution to a 403(b) plan?**

Yes. ERBP awards are considered part of gross income and are used in calculating the maximum contribution amount an employee can make to a voluntary contribution plan, such as a 403(b) plan.

## CLASSIFIED ADS

Package, 6 Disc CD Player, Hard Top Tonneau Cover, 35K miles, New Tires \$16,900 925-447-3764

1991 - TOYOTA Truck,Ext.Cab 5 spd.Burgandy w/gray interior. Bed liner, hitch w/lights. Sliding rear window. Great on Gas.\$4,500 OBO AFTER 6pm call. 209-606-7329

1989 - GMC SLE 3/4 ton, ext. cab, lumber rack, tool box, elct brakes, camper tiedowns, low miles, white & blue two tone excellent condition. \$9K or BO 209-667-4310

1984 - Chevy K5 Blazer 4X4, new transmission, needs front end work. Good teen project. \$2500.00 925-449-0865

1997 - Chevy Sport truck - custom suspension, paint, stereo, alarm, remote start, wheels. 200hp v6, 1/2 ton, tow hitch, 38k miles. \$15500 925-443-1150

1997 - 1/2 ton pick up. 2wd Air, cr.cont, tilt, tow pack., bug shield, bed liner, am/fm cass., tinted glass, only 45,000mi. Excellent cond. \$13,000.00 209-825-9848

camper shell fiberglass white 8ft long 64in wide fits utility type bed \$100 925-371-1465

1999 - DODGE Dakota Club Cab, Silver, V63.9, Auto4X4, 26,800Mi, CC, PWR Everything, Stereo/Cass/Disc, Bedliner, Etc, ExcCond\$18,500... Bluebook\$22,095. 925-200-0124

1986 - Wilderness CL3000 21.5 ft. 5th wheel. Sleeps 6. Very good condition. \$2000. 209-239-1770

1996 - Toyota Tacoma in good con-

dition, white with camper shell, 120K miles, new brakes and tires. \$5,000. 510-889-6510

1980 - Horse Trailer 4 Horse Hale tandem axle 1,000 must sale licensed paid. 209-239-2812

1985 - 1985 Ford F250 Diesel 69 4WD new paint great condition 5,500 209-239-2812

### VACATION RENTALS

Twain Harte - Fully furnished.2bdr 2full bath.Cable TV,VCR, microwave,washer,dryer,dishwasher,VCR,and more.Close to Dodge Ridge ski area.\$150wknd \$300wk. 925-443-2808

SOUTH LAKE TAHOE - 3 Bedroom 2 Bath Chalet, nicely furnished,quiet area , all amenities, close to all ski areas, Thanksgiving,New Years week Open!Reserve Now! 209-599-4644

Pinecrest - Cabin available near Dodge Ridge skiing. 3 bdrm/2 bath, fireplace w/wood, microwave, pool table, level cleared access to covered parking, \$195/wknd 925-449-5513

Sea Ranch - - Oceanview home. No smoking. No pets. Adults only. 2BR(KQ)/2BA 1700sqft. Hike. Bike. Whale watch. Kayak. Swim. Tide pool. 925-443-5086

Maui, HI - Kahana Reef oceanfront 1BR/1BA condominium. Beautiful two-island view, oceanside pool, and BBQs. Low LLNL rates for year-round reservations. 925-449-0761

### WANTED

Wanted: Redwood Hot Tub. Willing to pay up to \$500. 925-294-8781

Exercise Bike or ExerCycle. Good Condition, reas. price 925-449-8841

Wanted: Moving boxes. Will come and haul them away. Please call 209-832-3772

Phase converter, 2 H.P. or larger. Reasonably priced. 209-848-1375

After school care (5-10 hrs/week) for student at Altamont Creek. Must live in area. 209-839-8759

Wanted 45 RPM records in good condition, especially fifties and sixties. 925-454-9291

Militaria collector wants WWII memorabilia,helmets,flags,daggers,etc. Cash paid for Granpas old stuff!Call Kimball 209-957-3471

Need help to translate a technical document from English to French, German, and Russian. 925-443-3978

Any US Commemorative Stamps unused,Sheets or Plate Blocks, NO singles 925-803-1191

Has your child outgrown Barney & Elmo? My toddler loves them. Looking for Barney & Elmo videos. Will pay reasonable

price. 209-544-8540

Wanted stacking washer and dryer for apartment. Must be in good working order. 209-835-5031

Wanted: Canoe with square back for reasonable price. 925-449-0463

Your used kitchen cabinets for installation in garage, color and condition not important. 925-606-6155

WANTED: Large computer/business type desk for tax service, call or leave message 209-786-5910

Got any flat sheet metal sitting around you want to get rid of? Old rusted or New, I need it for my hobby as an artist. Call Steve Mudge 209-526-6272

A ride in a small, private air-plane. Will pay the expense of fuel for the flight. 925-371-5388

28-Gauge barrel for a

Remington, Model 870 or 1100. 925-447-6099

Gas Dryer, Kenmore or Whirlpool White or Almond preferred. 925-443-5565

WANTED - Large dog house. Free or at a very cheap price. Please call. 209-832-8723

Old Hot Wheels from the 60s and 70s, call 449-3152 925-449-3152

Organist to record church music on tape for approx. 30 hymns. 209-836-3041

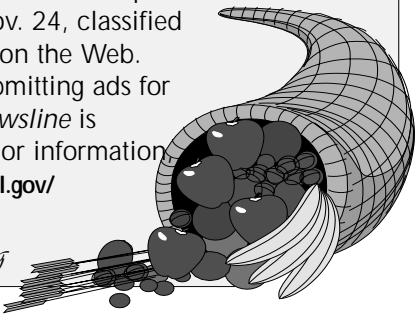
Porsche 911, 1990 or older, in excellent condition. Will pay reasonable price. 925-648-0671

Looking for someone to come into my home and clean it twice a month. Six hours a month, must speak english and be dependable. 925-449-7751

Trixie Belden books for 5th grader. Will buy paperback or hardback. 925-484-4785

Although *Newsline* will not be published on Friday, Nov. 24, classified ads will still appear on the Web. The deadline for submitting ads for the next issue of *Newsline* is Tuesday, Nov. 28. For information see <https://www-ais.llnl.gov/newsline/ads>

*Happy Thanksgiving*







THE BACK PAGE

DIALOGUE

Continued from page 1

ourselves as Americans than freedom or liberty,” Foner said, noting that the standard response to actions or pronouncements that are challenged is: “It’s a free country.”

Yet, “freedom is an amorphous word” used in different contexts to talk about personal freedom or political freedom, he said. “The definition of freedom is not fixed and is the subject of debate.

The boundaries of freedom — “who’s entitled to enjoy it and who isn’t” — are also much debated, Foner said. “Freedom is and has always been a contested idea. The history of American freedom is a history of rejected definitions.”

Foner’s presentation was based on his book, “The Story of American Freedom,” a historical look at how different segments of American society have defined freedom and its boundaries since the American Revolution. The choice of the title for the work was both “descriptive and ironic,” he said, noting that “story” denotes “both a real and imagined history.”

The history of freedom is “complicated” because it is “not a straight line,” but has been subject to the vicissitudes of the debate over the meaning and boundaries of freedom, he said.

The constitutional right to “life, liberty and the pursuit of happiness” has not always been inclusive, Foner said. “The freedom of one group has a limitation for others.”

Freedom for masters was at the expense of slaves and men enjoyed freedoms such as the



Eric Foner

right to vote that women did not, he said. “One person’s freedom rests on another person’s lack of freedom.

“The struggles over freedom ought to be of interest to everybody because the struggles changed things for everyone,” Foner said. “For example, the struggle against slavery changed the meaning of freedom for everyone.”

While the Civil War represented the triumph of “the principle of equal rights for all, those rights did not stick,” he said, and the laws became “dead letters.”

With the acquiescence of the North, segregation in the South violated the notion of equality that came out of the Civil War, Foner said.

The vestiges of the era of slavery continue to affect our political system today, he pointed out. The Electoral College, which is currently at the center of the presidential election controversy, exists in part because of slavery. It was created to provide a balance of power “so the South would not be overwhelmed by the North.”

Racial and ethnic diversity as part of the American notion of freedom is a relatively recent idea, Foner said, explaining that only white people could become naturalized American citizens until 1870 and that Asians couldn’t become citizens until the 1940s. “The racial definition of who can and can’t become an American lasted for a long time.”

Foner said race is an “invented idea” with no basis in science. “Massive immigration from southern and eastern Europe led to a tremendous preoccupation with race” and

immigration restrictions in the 1920s that set quotas for different ethnic groups. “The issue of diversity was about European immigrants,” not African Americans or Asians.

“The notion of a pluralistic society came into being in the 1930s with the rise of the labor movement and communist party,” he said, adding that the notion became “doctrine” during World War II in opposition to the Nazis idea of racial superiority. “The government promoted the idea of cultural pluralism. This emphasis on pluralistic democracy during World War II gave helped give rise to the modern Civil Rights Movement.

“The contradiction between our vision of pluralism and the reality of segregation is what made civil rights, again for the first time in nearly 100 years, a national issue,” Foner said. “The Civil Rights Movement then generated other movements such as the Native American and Hispanic movements.”

But, the most “far-reaching movement” was the women’s movement because it extended the notion of freedom into private life. “This was a new idea in American history.”

The notion of making “personal choices in private realms” is today something all Americans talk about, he said. “That is something the women’s movement, more than any other, introduced into the language of freedom.

“Freedom is a constantly changing and expanding idea. It’s constantly being redefined and the boundaries of freedom have changed many times during our history,” Foner said. “Like many times in our past, the question of freedom is still in the air, still up for grabs and the meaning has changed again in the last 10-15 years.”

For information about diversity dialogue groups, see Website: <http://www.llnl.gov/aadp/divers/ddg.html> or contact Lorie Valle, 2-1770 or [valle1@llnl.gov](mailto:valle1@llnl.gov)

WARMING

Continued from page 1

in the atmosphere, almost certainly the result of human activity.

“We’re well outside the range of recent geological experience,” Schneider said.

A survey of the past 1,000 years also indicates that there is a strong possibility that human activity is the cause of the recent rise (about six-tenths of a degree Celsius) in the Earth’s surface temperature. It’s unlikely that the current temperature spike is simply natural fluctuation, he said.

In describing the complex computer models that are used to make predictions, Schneider noted that any model “will always be a little cloudy” when used as a crystal ball. However, he said most scientists agree that most aspects of the model are particularly “solid.” In that regard, he cited the Lab’s own climate modeling effort, in particular the work of atmospheric scientists Larry Gates, head of the Program for Climate Model Diagnosis and Intercomparison, and Ben Santer, also a MacArthur Foundation Prize Fellow.

Schneider said it was unfortunate that some people select only one part of the model and inflate its meaning to advance their ends. At the same time, some scientists find their professional qualifications questioned if their findings are not politically correct.

The public is not well served by the media, he said, who are poorly trained to report on a complex science topic. Most journalists view science issues like political issues in which there are opposing sides.

Reporters, he said, also get a distorted view when they attend scientific meetings where climate issues are vigorously discussed. “We don’t spend time at meetings going over what is well-established,” Schneider said. “Reporters miss the fact that there’s a great deal of shared belief” among scientists about the facts surrounding global warming.

Schneider cited a 1997 article in the Wall Street Journal titled “Science Has Spoken: Global Warming Is a Myth.” The article confused weather, which consists of short-term atmospheric phenomena that are hard to predict beyond a few days, and long-term climate changes, which lend themselves much better to computer modeling.

It is no wonder, said Schneider, that politicians are confused about climate change. The larger lesson to scientists is the importance of communicating complex scientific issues to politicians who make public policy.

Schneider reviewed the highly controversial 1997 Kyoto, Japan, accords, under which developed countries agreed to reduce their emission of gases, mainly carbon dioxide, by specified amounts. Conference delegates from developing nations strongly argued that the first round of cuts should apply only to developed nations because they account for 80 percent of the world’s carbon dioxide emissions. Indeed, the United States is the world leader in per capita carbon dioxide emissions.

However, projections show that Western nations’ carbon dioxide emissions will stay about the same through the end of the century, while emissions from developing nations such as China and India will in a few decades sharply exceed those from developed nations.

Schneider said such a scenario does not have to happen if developing nations avoid the West’s historic model of using coal and the internal combustion engine to advance their economies. Instead, they could leapfrog the West by adopting advanced technologies such as fuel cells to power their cars. These nations could more easily adopt new technologies because they do not have a huge investment in the status quo as does the West, he said.



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